

Rack Data 8 RDM

Rack mounted Ethernet-to-DMX512 gateway. It converts 8 universes of Art-Net (supports all versions up to Art-Net 4) or sACN ethernet into DMX512/RDM.



Rack Data 8 RDM is designed to be mounted in a 19" 1U rack enclosure. Its ultra-slim depth of 73mm makes it possible to mount 2 products 'back-to-back' per 1U slot if desired. The product is supplied with a standard powerCON® TRUE1 power inlet.

The product offers protection against electrical transients on the outputs.

Configuration is achieved over the network using the internal web-server. DHCP is supported for automatic IP address allocation.

- 1U 19" rack mount, 73mm depth
- Neutrik Ethercon & XLR5 connectors
- 10/100BaseT network input
- 8 DMX512 ports, compatible with all variants of DMX, including DMX512-A
- Art-Net, sACN, RDMnet RPT & LLRP compatible
- mDNS compliant
- RDM (E1.20 - 2010/2024) compatible
- Power & Ethernet LED indicators
- Outputs protected against electrical transients
- Default IP address 2.x.y.z
- Configurable using internal web-server

- DHCP supported
- Factory reset and Squawk button
- powerCON® TRUE1 power inlet

Technical Specification

Mechanical

- Housing: 19" 1U rack enclosure
- Material: Powder coated steel
- Overall dimensions: 44mm (H) x 482mm (W) x 73 mm (D)
- Weight: 0.82 kg
- Country of manufacture: UK

Environmental

- Operating temperature: 0°C to 40°C
- Storage temperature: -10°C to +50°C
- Operating relative humidity (max): 80% non-condensing
- IP rating: IP20 indoor use only
- Certification: CE, WEEE, RoHS
- Warranty: 2-year (return to base)

Power & Electrical

- Operating voltage: 100 - 240V ~
- Operating frequency: 50 - 60 Hz
- Input connector: powerCON® TRUE1
- Input power (max): 25 W
- Duty cycle: 100% @ 25°C
- Internal fuse: T1A slow blow
- DC fuse: internal self-resetting fuse for control electronics

Connections

- Input: Ethercon (1 no.)
- Output: Neutrik XLR5F (8 no.)
- Power Input: powerCON® TRUE1

Control Protocols

- Type: 10/100BaseT
- Isolation: 1 kV

Ethernet

- Ethernet: Art-Net, sACN, RDMnet RPT & LLRP
- Output: DMX512, DMX512 (1990), DMX512-A, RDM V1.0 (E1.20 - 2010/2024)

DMX512 Outputs

- Output mode: ground referenced
- Output isolation: n/a
- Output ESD protection: 12 kV
- Output voltage protection: +/- 80 V

Configuration / Indication

- Internal web-server or DMX Workshop
- Manual factory reset button
- LEDs for Power & Data